LAND_RBR (Updated)

paragraph_id	release	segment	req_title	req_type	req_cat	funct_status	text	interpretation
LAND-0010#B	B	SDPS	activity calendar	interface	TBD	TBD	The Landsat 7 MOC shall have the capability to send and the ECS shall have the capability to receive the Landsat 7 activity calendar.	
LAND-0015#B	B	SDPS	MOC data acquisition	interface	NA	fully met	The MOC shall have the capability to interface with ECS as a user to acquire Landsat 7 metadata via a standing order.	Standard ECS user interface.
LAND-0020#A	A	SDPS	directory information	interface	TBD	TBD	The Landsat 7 Project shall have the capability to send and the ECS shall have the capability to receive directory information.	

LAND-0020#B	B	SDPS	directory information	interface	~~TBD~~ NA	~~TBD~~ fully met	~~The Landsat 7 Project shall have the capability to send and the ECS shall have the capability to receive directory information.~~ The ECS shall have the capability to provide access to the Landsat 7 directory in the GCMD.	Directory information placed on GCMD by Landsat 7.
LAND-0030#A	A	SDPS	data availability notice	interface	NA	fully met	The LPS shall have the capability to send and the ECS shall have the capability to receive data availability notices for Landsat 7 Level 0R data, and associated inventory metadata and browse data.	
LAND-0030#B	B	SDPS	data availability notice	interface	~~TBD~~ NA	~~TBD~~ no new functionality	The LPS shall have the capability to send and the ECS shall have the capability to receive data availability notices for Landsat 7 Level 0R data, and associated inventory metadata and browse data.	

~~LAND-0040#A~~	A	SDPS	~~guide information~~	~~interface~~	~~TBD~~	~~fully met~~	~~The Landsat 7 Project shall have the capability to send and the ECS shall have the capability to receive guide information.~~	
LAND-0040#B	B	SDPS	guide information	interface	~~TBD~~ NA	~~no new functionality~~ fully met	~~The Landsat 7 Project shall have the capability to send and the ECS shall have the capability to receive guide information.~~ The ECS shall have the capability to provide access to the Landsat 7 guide information.	Guide information placed on EDC guide server by Landsat 7.
LAND-0050#A	A	SDPS	inventory ~~information~~ metadata	interface	~~TBD~~ NA	~~fully met~~ partially met	The LPS shall have the capability to send and the ECS shall have the capability to receive inventory ~~information~~ metadata for Landsat 7 Level 0R data.	Test data transfer only.
LAND-0050#B	B	SDPS	inventory ~~information~~ metadata	interface	~~TBD~~ NA	~~no new functionality~~ fully met	The LPS shall have the capability to send and the ECS shall have the capability to receive inventory ~~information~~ metadata for Landsat 7 Level 0R data.	Full ingest and archive provided.

LAND-0060#A	A	SDPS	browse data	interface	~~TBD~~ NA	~~fully met~~ partially met	The LPS shall have the capability to send and the ECS shall have the capability to receive browse data for Landsat 7 Level 0R data.	Test data transfer only.
LAND-0060#B	B	SDPS	browse data	interface	~~TBD~~ NA	~~no new functionality~~ fully met	The LPS shall have the capability to send and the ECS shall have the capability to receive browse data for Landsat 7 Level 0R data.	Full ingest and archive provided.
LAND-0070#A	A	SDPS	Level 0R data	interface	~~TBD~~ NA	~~fully met~~ partially met	The LPS shall have the capability to send and the ECS shall have the capability to receive Landsat 7 Level 0R data.	Low volume test data transfer only.
LAND-0070#B	B	SDPS	Level 0R data	interface	~~TBD~~ NA	~~no new functionality~~ fully met	The LPS shall have the capability to send and the ECS shall have the capability to receive Landsat 7 Level 0R data.	Full volume data transfer; full ingest and archive provided.
LAND-0080#A	A	SDPS	~~Level 0R~~ data trasnfer acknowledgment	interface	~~TBD~~ NA	fully met	The ECS shall have the capability to send and the LPS shall have the capability to receive a data transfer acknowledgement.	File transfer protocol supported response.

LAND-0080#B	B	SDPS	~~Level 0R~~ data trasnfer acknowledgment	interface	~~TBD~~ NA	no new functionality	The ECS shall have the capability to send and the LPS shall have the capability to receive a data transfer acknowledgement.	File transfer protocol supported response.
LAND-0085#A	A	SDPS	acknowledgment	interface	NA	partially met	The ECS shall have the capability to send and the LPS shall have the capability to receive an acknowledgement after ECS archives the Landsat 7 data.	SDPS generated Data Delivery Notice; message transfer capability only; no data archive
LAND-0085#B	B	SDPS	acknowledgment	interface	NA	fully met	The ECS shall have the capability to send and the LPS shall have the capability to receive an acknowledgement after ECS archives the Landsat 7 data.	SDPS generated Data Delivery Notice.
LAND-0090#B	B	SDPS	IGS inventory ~~information~~ metadata	interface	~~TBD~~ NA	~~TBD~~ fully met	The IGSs shall have the capability to send and the ECS shall have the capability to receive inventory ~~information~~ metadata for Landsat 7 IGS data.	

LAND-0100#B	B	SDPS	IGS ~~inventory information~~ browse data	interface	~~TBD~~ NA	~~TBD~~ fully met	The IGSs shall have the capability to send and the ECS shall have the capability to receive browse data for Landsat 7 IGS data.	
LAND-0110#B	B	SDPS	IAS calibration information	interface	~~TBD~~ NA	~~TBD~~ fully met	The IAS shall have the capability to send and the ECS shall have the capability to receive Landsat 7 instrument (ETM+) calibration information and associated metadata.	
LAND-0115#B	B	SDPS	IAS data acquisition	interface	NA	fully met	The IAS shall have the capability to interface with ECS as a user to acquire Landsat Level 0R data.	Standard ECS user interface.
~~LAND-0120#A~~	A	~~CSMS~~	~~system managemnt status~~	~~interface~~	~~TBD~~ NA	~~fully met~~	~~The ECS shall have the capability to send and the MMO shall have the capability to receive system management status.~~	
LAND-0120#B	B	CSMS	system managemnt status	interface	~~TBD~~ NA	~~no new functionality~~ fully met	The ECS shall have the capability to send and the MMO shall have the capability to receive system management status.	

LAND-0125#B	B	CSMS	statistics and reports	interface	NA	fully met	The ECS shall have the capability to send and the MMO shall have the capability to receive statistics (TBD) and reports (TBD).	Statistics and reports are not yet defined by Landsat.
~~LAND-0130#A~~	A	~~CSMS~~	~~system management status~~	~~interface~~	~~TBD~~ NA	~~fully met~~	~~The MMO shall have the capability to send and the ECS shall have the capability to receive system management status.~~	~~A: Basic functionality provided.~~
LAND-0130#B	B	CSMS	system management status	interface	~~TBD~~ NA	~~no new functionality~~ fully met	The MMO shall have the capability to send and the ECS shall have the capability to receive system management status.	~~B: Enhanced functionality provided.~~
LAND-0140#B	B	CSMS	product cost information	interface	~~TBD~~ NA	~~TBD~~ fully met	The MMO shall have the capability to send and the ECS shall have the capability to receive product cost information.	
LAND-0150#A	A	SDPS	format	interface	~~TBD~~ NA	~~TBD~~ partially met	All information exchanged between the Landsat 7 System and the ECS shall be provided in mutally agreed to formats.	Message formats only.

LAND-0150#B	B	SDPS	format	interfac e	~~TBD~~ NA	~~TBD~~ fully met	All information exchanged between the Landsat 7 System and the ECS shall be provided in mutally agreed to formats.	
LAND-0160#B	B	SDPS	format	interfac e	~~TBD~~ NA	~~TBD~~ fully met	All information provided to the ECS by the IGSs shall be provided in mutally agreed to formats.	
LAND-0170#A	A	SDPS	end-to- end test	interfac e	~~TBD~~ NA	~~fully~~ partiall y met	ECS elements shall be capable of supporting end-to-end test and verification activities of the EOS program including ~~Landsat 7~~ pre-launch, satellite verification, and instrument verification and operational phases as they pertain to the Landsat 7/ECS interface.	Support only data transfer from Landsat Processing System.

LAND-0170#B	B	SDPS	end-to-end test	interface	~~TBD~~ <u>NA</u>	~~no new functionality~~ <u>fully met</u>	ECS elements shall be capable of supporting end-to-end test and verification activities of the EOS program including ~~Landsat 7~~ pre-launch, satellite verification, and instrument verification and operational phases <u>as they pertain to the Landsat 7/ECS interface</u>.	
~~LAND-0180#A~~	A	~~SDPS~~	~~pre-launch support~~	~~interface~~	~~TBD~~	~~fully met~~	~~ECS shall be capable of supporting Landsat-7 for: a. Pre-launch checkout of instruments b. Development of initial calibration information.~~	
LAND-0180#B	B	SDPS	pre-launch support	interface	~~TBD~~ <u>NA</u>	~~no new functionality~~ <u>fully met</u>	The ECS shall be capable of ~~supporting~~ <u>ingesting, storing and distributing data from LPS to support</u> Landsat 7 for : a. Pre-launch checkout of instruments b. Development of initial calibration information.	

LAND-0185#A	A	SDPS	interface testing	interface	NA	partially met	The ECS shall be capable of supporting interface testing, operations testing and acceptance testing with the LPS, IAS and MOC.	LPS interface test support only.
LAND-0185#B	B	SDPS	interface testing	interface	NA	fully met	The ECS shall be capable of supporting interface testing, operations testing and acceptance testing with the LPS, IAS and MOC.	
~~LAND-0190#B~~	B	~~SDPS~~	~~operational availability~~	~~interface~~	~~TBD~~ NA	~~TBD~~	~~The ECS function of receiving Landsat 7 data shall have an operational availability of .98 at a mimimum and an MDT of two (2) hours or less.~~	
~~LAND-0200#B~~	B	~~SDPS~~	~~operational availability~~	~~interface~~	~~TBD~~ NA	~~TBD~~	~~The ECS function of Landsat 7 Metadata and Browse ingest and update shall have an operational availability of .96 at a mimimum and an MDT of four (4) hours or less.~~	

LAND-0201#B	B	SDPS	data ingest and archive	interface	NA	fully met	The ECS shall be capable of ingesting and archiving and acknowledging Landsat 7 Level 0R data produced by LPS over 12 hours, within 8 hours from the time of receipt of the data availability notice from LPS.	
LAND-0210#B	B	SDPS	distribution of data	interface	~~TBD~~ NA	~~TBD~~ fully met	The ECS shall begin normal distribution of Landsat 7 products, within 24 hours from the time of receipt of the product order.	
LAND-0220#A	A	CSMS	LPS comm interface	interface	NA	partially met	The Landsat 7 LPS shall provide the FDDI connector(s) and cable for connection to the ECS router and FDDI interface at EDC, required to transmit and receive Landsat 7 data to and from ECS.	Prior to LPS installation at EDC (7/97), alternate comm interface required.

LAND-0220#B	B	CSMS	~~electronic~~ LPS comm interface	interface	~~TBD~~ NA	~~TBD~~ fully met	~~The Landsat 7 LPS shall provide the electronic interface required to transmit and receive Landsat 7 data to and from ECS.~~ The Landsat 7 LPS shall provide the FDDI connector(s) and cable for connection to the ECS router and FDDI interface at EDC, required to transmit and receive Landsat 7 data to and from ECS.	
LAND-0230#B	B	CSMS	MOC and MMO comm interfaces	interface	NA	fully met	The ECS shall be capable of interfacing with the MMO and MOC via the Internet.	

LAND-0240#B	B	CSMS/SDPS	security	interface	NA	fully met	The interfaces and any systems connecting to the ECS through these interfaces shall be consistent and compatible with ESDIS implementation of all security requirements imposed on the ECS and with all security documents applicable to ECS.	